



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, D.C. 20460

AUG 19 1993

MEMORANDUM

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

SUBJECT:

Dietary Exposure Analysis for the Proposed Use of Thiameturon methyl

(Harmony® PP#0F3961) and Tribenaron methyl (Express® PP#0F3962)

Jennifer Wintersteen

on Oats.

FROM:

Jennifer M. Wintersteen

Dietary Risk Evaluation Section

Science Analysis Branch/HED

(H7509C)

TO:

Joanne Miller, PM 23

Fungicide-Herbicide Branch

Registration Division

(H7505C)

THROUGH:

James P. Kariya, Section Head

Dietary Risk Evaluation Section

Health Effects Division

Action Requested

Provide a dietary exposure analysis for the proposed use of thiameturon methyl and tribenuron methyl on oat grain each with a tolerance of 0.05ppm. The two chemicals are to be marketed together in a product named Harmony[®] Extra. Thiameturon methyl is also known by the company designation DPX-M6316 as well as thifensulfuron methyl. Tribenuron methyl is also known by the company designation DPX-L5300.

Discussion

1. Toxicological Endpoint: The Dietary Risk Evaluation System (DRES) chronic analysis for thiameturon methyl used a Reference Dose (RfD) of 0.013 mg/kg body weight/day, based on a no observed effect level (NOEL) of 1.25 mg/kg bwt/day and an uncertainty factor of 100. The NOEL is taken from a two year feeding study in rats which demonstrated as an effect lower body weight gains in males. Serum sodium in males and females was sporadically lower throughout the study. This RfD has been approved by both the HED (2/25/88) and Agency (3/23/88) RfD committees.

The DRES chronic analysis for tribenturon methyl used a RfD of 0.008 mg/kg bwt/day, based on a NOEL of 0.79 mg/kg bwt/day and an uncertainty factor of 100. The NOEL is taken from a one year feeding study in dogs which demonstrated as an effect elevated serum bilirubin and AST levels. Tribenturon methyl is considered a class C carcinogen with no Q^* established for quantification of potency.

2. <u>Residue Information</u>: Food uses evaluated in this analysis for thiameturon methyl were the published tolerances (barley, soybeans and wheat) found in 40 CFR §180,439 and the Tolerance



Index System (TIS) and a pending tolerance on corn. Food uses for tribenuron methyl were the published uses (barley and wheat) found in 40 CFR §180.451 and TIS. Currently there are no pending tolerances for tribenuron methyl.

CBTS is recommending for permanent tolerances for residues of thiameturon methyl on oat grain at 0.05 ppm and is not requiring tolerances for meat and milk at this time. Also, CBTS recommends for tolerances for tribenuron methyl on oat grain at 0.05 ppm without requiring meat or milk tolerances (R. Cook memo, 5/18/92 and M. Bradley memo, 7/19/93). Summaries of the residue values used are included as Table 1a and 1b.

3. Results:

A. Thiameturon methyl: A DRES chronic exposure analysis was performed for thiameturon methyl using tolerance level residues and 100 percent crop treated information to estimate the Theoretical Maximum Residue Contribution (TMRC) for the general population and 22 population subgroups. A summary of the TMRCs and their representations as a percentage of the RfD is attached as Table 2a.

The TMRC for the general population from all published tolerances is 1.1×10^4 mg/kg bwt/day, representing 1% of the RtD. The tolerances proposed for the oat grain contributes 5×10^{-6} mg/kg bwt/day, or <1% of the RtD (viz. 0.03). If proposed new tolerances and the pending tolerance on corn are considered, the resulting TMRC would be 1.3×10^{-4} mg/kg bwt/day, representing 1% of the RtD.

The highest exposed subgroups are non-nursing infants (<1 yr.) and children (1-6 yrs.). If the proposed tolerance is published and including the pending tolerance on corn, the TMRC for the non-nursing infants subgroup would be 3.1×10^4 mg/kg bwt/day, or 2% of the RfD. Considering the same situation, the subgroup for children would result in a TMRC of 2.8×10^4 mg/kg bwt/day, also 2% of the RfD.

B. <u>Tribenuron methyl</u>: A DRES chronic exposure analysis was performed for tribenuron methyl using tolerance level residues and 100 percent crop treated information to estimate the TMRC for the same subgroups as listed above. A summary of the TMRCs and their representations as a percentage of the RfD is attached as Table 2b.

The TMRC for the general population from all published tolerances is 7.4×10^{-5} mg/kg bwt/day, representing 1% of the RfD (viz. 0.92). The proposed tolerance on oats contributes an additional 5.0×10^{-6} mg/kg bwt/day, which represents < 1% of the RfD. If the new tolerance were published the total TMRC would equal 7.8×10^{-5} mg/kg bwt/day, or 1% of the RfD (viz. 0.97).

The highest exposed subgroups are children (1-6 yrs) and children (7-12 yrs). If the proposed tolerance on oats is published the resultant TMRC would be 1.7×10^{-4} mg/kg bwt/day, comprising 2% of the RfD for children (1-6 yrs). If the tolerance on oats is published the TMRC from all uses would be 1.2×10^{-4} mg/kg bwt/day for children (7-12 yrs), also 2% of the RfD.

DRES considers the dietary risk from thiameturon methyl and tribenuron methyl uses on oats to be of minimal concern. Also, considering that the proposed uses are given at tolerance level and 100% crop treated values there is likely overestimation of exposures. Exposure from residues for thiameturon methyl through oats represents <1% of the RfD for the U.S. general population. Similarly, exposure from residues for tribenuron methyl through oats represents <1% of the RfD for the U.S. population. Based on these values, it is safe to say that the chronic dietary risk for residues of thiameturon methyl and tribenuron methyl through the proposed use on oat grain is minimal.

Attachments

cc: DRES (Harmony & Express), Tox II, CBTS, Caswell #419S and 573S

Table 1a.

CHEMICAL INFORMATION FOR CASWELL NUMBER 573S

DATE: 08/13/93

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| CHEMICAL | STUDY TYPE | EFFECTS | REFERENCE DOSES | DATA GAPS/COMMENTS | STATUS |
|--------------------------------------|--|--|-------------------|--------------------|--|
| Harmony (DPX-M6316) Caswell #573S | 2yr feeding- rat NOEL= 1.2500 mg/kg | Lower body wt gains in M, serum sodium in M & F | ADI UF>100 | No data gaps. | HED complete 02/25/88. EPA verified 03/23/88. |
| CAS No. 79277-27-3 | 25.00 ppm | were sporadically lower | EPA RfD= 0.013000 | 4 | |
| A.I. CODE: 128845 CFR No. 180.439 | } LEL≈ 25.0000 mg/kg 500.00 ppm | thoughout the study. No evidence of oncogenic- | _ | | |
| | ONCO: Negative- 2 species. | ity in rats or mice. | <u> </u> | L | On IRIS. |

| FOOD | | PETITION | | TOLERANCE (PP | M) | | | |
|---------|---------------------------|----------|----------|---------------|-------------|---|----|---|
| CODE | FOOD NAME | NUMBER | NEW | PENDING | PUBL I SHED | | | |
| 4500044 | COVERANC CERCUITED CEEDS | 8F3663 | | | 0.100000 | | | |
| 15029AA | SOYBEANS-SPROUTED SEEDS | | | | | | | |
| 24001AA | BARLEY | 6F3431 | | | 0.050000 | | | |
| 24002EA | CORN, GRAIN-ENDDSPERM | 0F3872 | | 0.050000 | | | | |
| 24002HA | CORN, GRAIN-BRAN | DF3872 | | 0.050000 | | | | |
| 24002SA | CORN SUGAR ' | 0F3872 ° | | 0.050000 | | • | | , |
| 24003AA | OATS | 0F3961 | 0.050000 | | | | | |
| 24007AA | WHEAT-ROUGH | 6F3431 | | | 0.050000 | | | |
| 24007GA | WHEAT-GERM | 6F3431 | | | 0.050000 | | | |
| 24007HA | WHEAT-BRAN | 6F3431 | | | 0.050000 | | | |
| 24007WA | WHEAT-FLOUR | 6F3431 | | | 0.050000 | • | | |
| 270020A | CORN, GRAIN-OIL | 0F3872 | | 0.050000 | | | V. | |
| 270100A | SOYBEANS-OIL | 8F3663 | | | 0.100000 | | | |
| 28023AA | SOYBEANS-UNSPECIFIED | 8F3663 | | | 0.100000 | | | |
| 28023AB | SOYBEANS-MATURE.SEEDS DRY | 8F3663 | | | 0.100000 | | | |
| 28023WA | SOYBEANS-FLOUR, FULL FAT | 8F3663 | | | 0.100000 | | | |
| | <u>-</u> | | | | 0.100000 | | | |
| 28023WB | SOYBEANS-FLOUR, LOW FAT | 8F3663 | | | | | | |
| 28023WC | SOYBEANS-FLOUR, DEFATTED | 8F3663 | | | 0.100000 | | | |

CHEMICAL INFORMATION

Caswell #573S

CAS No. 79277-27-3

FEMALES (13+ YEARS, PREGNANT)

FEMALES (13-19 YEARS OLD, NOT PREG. OR NURSING)

FEMALES (20 YEARS AND OLDER, NOT PREG. OR NURS)

FEMALES 13+ YEARS, NURSING

CHILDREN (1-6 YEARS OLD)

MALES (13-19 YEARS OLD)

CHILOREN (7-12 YEARS OLD)

MALES (20 YEARS AND OLDER)

A.I. CODE: 128845

CFR No. 180,439

Harmony (DPX-M6316)

STUDY TYPE

LEL= 25,0000 mg/kg

1.2500 ma/ka

25.00 ppm

mag 00.002

2yr feeding- rat

NOEL=

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

EFFECTS

Lower body wt gains in M.

serum sodium in M & F

thoughout the study.

0.000074

0.000095

0.000222

0.000165

0.000120

0.000093

0.000090

0.000072

were sporadically lower

No evidence of oncogenic-

| | | | ., |
|----|------|---------------|--|
| | DATA | GAPS/COMMENTS | STATUS |
| No | data | gaps. | HED complete 02/25/88. EPA verified 03/23/88. |

PAGE:

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| | TOTAL TMRC (MG/KG | RODY DEIGHT/DAY) | NEW TMRC | DIFFERENCE | EFFECT OF ANTIC | IDATED PECINIES |
|-----------------------------------|-------------------|------------------|------------|------------|------------------|-----------------|
| | TOTAL TIMO (MAYKA | BOD1 WEIGHT/DATY | AS PERCENT | AS PERCENT | EFFECT OF MATTIC | ILWIED KESIDOES |
| POPULATION SUBGROUP | CURRENT TMRC* | NEW TMRC** | OF RFD | DF RFD | ARC | %RFD |
| .s. POPULATION - 48 STATES | 0.000107 | 0.000128 | 0.986331 | 0.160200 | | |
| .s. POPULATION - SPRING SEASON | 0.000104 | D.000124 | 0.953808 | 0.150738 | · | |
| .s. POPULATION - SUMMER SEASON | 0.000106 | 0.000126 | 0.972469 | 0.160915 | | |
| .S. PDPULATION - FALL SEASON | 0.000111 | 0.000132 | 1.016723 | 0.165723 | | |
| S. POPULATION - WINTER SEASON | 0.000109 | 0.000130 | 1.002392 | 0.163462 | | • |
| ORTHEAST REGION | 0.000108 | 0.000124 | 0.956108 | D.122746 | | |
| ORTH CENTRAL REGION | 0.000110 | 0.000130 | 1.000338 | 0.151731 | | |
| OUTHERN REGION | 0.000103 | 0.000127 | 0.976862 | D.181531 | | |
| ESTERN REGION | 0.000109 | 0.000133 | 1.023138 | 0.186208 | | |
| SPANICS | 0.000106 | 0.000140 | 1.074592 | 0.262577 | | |
| ON-HISPANIC WHITES | 0.000109 | 0.000128 | 0.987631 | 0.145946 | | |
| ON-HISPANIC BLACKS | 0.000096 | 0.000122 | 0.942162 | 0.205785 | | |
| ON-HISPANIC OTHERS | 0.000103 | 0.000121 | 0.933769 | 0.142885 | | |
| URSING INFANTS (< 1 YEAR OLD) | 0.000064 | 0.000099 | 0.760692 | 0.270823 | | |
| ON-NURSING INFANTS (< 1 YEAR OLD) | 0.000222 | 0.000308 | 2.368923 | 0.663923 | | |
| | | | | | | |

REFERENCE DOSES

OPP RED= 0.013000

EPA RfD= 0.013000

0.673377

0.833492

2.153238

1.564623

1.089777

0.852100

0.790315

0.636608

0.102069

0.100908

0.446215

0.298123

0.170231

0.136346

0.094646

0.082785

UF -->100

0.000088

0.000108

0.000280

0.000203

0.000142

0.000111

0.000103

0.000083

^{*}Current TMRC does not include new or pending tolerances.

^{**}New TMRC includes new, pending, and published tolerances.

TOLERANCE ASSESSMENT SUMMARY FOR Harmony (DPX-M6316) CASWELL #573S

DATE: 08/13/93

ANALYSIS FOR POPULATION SUB-GROUP: U.S. POPULATION - 48 STATES

| | EXISTING TOLERANCES (PUBLISHED ONLY) RESULT IN A TMRC OF: THE EXISTING TMRC IS EQUIVALENT TO: | 0.000108 0.826 | |
|---------------------|---|-------------------|----------------------------|
| | PROPOSED NEW TOLERANCES (CURRENT PETITION ONLY) RESULT IN A TMRC OF: THESE NEW TOLERANCES WILL OCCUPY: | 0.000005 0.032 | MG/KG/DAY % OF THE ADI. |
| | IF THE NEW TOLERANCES (CURRENT PETITION ONLY) ARE APPROVED THE RESULTANT TMRC WILL BE: THE NEW TMRC WILL OCCUPY | D.000112 0.858 | MG/KG/DAY % OF THE ADI. |
| | OTHER PENDING TOLERANCES EXCLUDING THE CURRENT NEW PETITION HAVE A TMRC OF: THIS TMRC WILL OCCUPY | 0.000017 0.128 | MG/KG/DAY % OF THE ADI. |
| | IF ALL PENDING TOLERANCES (INCLUDING THE CURRENT NEW PETITION) ARE GRANTED THE RESULTANT TMRC WILL BE: THE TOTAL TMRC WILL OCCUPY | 0.000129 0.986 | MG/KG/DAY % OF THE ADI. |
| ANALYSIS FOR POPULA | TION SUB-GROUP: NON-NURSING INFANTS (< 1 YEAR OLD |) | |
| | EXISTING TOLERANCES (PUBLISHED ONLY) RESULT IN A TMRC OF: THE EXISTING TMRC IS EQUIVALENT TO: | 0.000222 1.705 | |
| | PROPOSED NEW TOLERANCES (CURRENT PETITION ONLY) RESULT IN A TMRC OF: THESE NEW TOLERANCES WILL OCCUPY: | 0.000038 0.288 | |
| | IF THE NEW TOLERANCES (CURRENT PETITION ONLY) ARE APPROVED THE RESULTANT IMRC WILL BE: THE NEW TMRC WILL OCCUPY | 0.000260 | |
| | OTHER PENDING TOLERANCES EXCLUDING THE CURRENT NEW PETITION HAVE A TMRC OF: THIS TMRC WILL OCCUPY | 0.000049 0.376 | |
| | IF ALL PENDING TOLERANCES (INCLUDING THE CURRENT NEW PETITION) ARE GRANTED THE RESULTANT TMRC WILL BE: THE TOTAL TMRC WILL OCCUPY | 0.000308 2.369 | |
| ANALYSIS FOR POPULA | TION SUB-GROUP: CHILDREN (1-6 YEARS OLD) | | |
| | EXISTING TOLERANCES (PUBLISHED ONLY) RESULT IN A TMRC DF: THE EXISTING TMRC IS EQUIVALENT TO: | 0.000222 | MG/KG/DAY % OF THE ADI. |
| | PROPOSED NEW TOLERANCES (CURRENT PETITION ONLY) RESULT IN A TMRC OF: THESE NEW TOLERANCES WILL OCCUPY: | 0.000015 0.113 | MG/KG/DAY % OF THE ADI. |
| | IF THE NEW TOLERANCES (CURRENT PETITION ONLY) ARE APPROVED THE RESULTANT TMRC WILL BE: THE NEW TMRC WILL DCCUPY | 0.000237 1.820 | MG/KG/DAY % OF THE ADI. |
| | OTHER PENDING TOLERANCES EXCLUDING THE CURRENT NEW PETITION HAVE A TMRC OF: THIS TMRC WILL OCCUPY | 0.000044 0.333 | MG/KG/DAY % OF THE ADI. |
| | IF ALL PENDING TOLERANCES (INCLUDING THE CURRENT NEW PETITION) ARE GRANTED THE RESULTANT TMRC WILL BE: THE TOTAL TMRC WILL OCCUPY | 0.000280 2.153 | MG/KG/DAY % OF THE ADI. |

Table 2a.

CHEMICAL INFORMATION FOR CASWELL NUMBER 419S

DATE: 08/13/93

PAGE:

| STATUS | |
|-------------------|--|
| semplete 00/1//00 | |

| CHEMICAL | STUDY TYPE | EFFECTS | REFERENCE DOSES | DATA GAPS/COMMENTS | STATUS |
|---------------------|--------------------|---------------------------|-------------------|--------------------|------------------------|
| Express (IN L5300) | 1yr feeding- dog | Elevated serum bilirubin | ADI UF>100 | No data gaps. | HED complete 09/14/88. |
| Caswell #419S | NOEL= 0.7900 mg/kg | and AST levels, increased | OPP RfD= 0.008000 | - • | EPA verified 10/12/88. |
| CAS No. 101200-48-0 | 25.00 ppm | urinary volume | EPA RfD= 0.008000 | | , , |
| A.I. CODE: 128887 | LEL= 8.1600 mg/kg | Evidence of oncogenicity | { | | |
| CFR No. 180. | 250.00 ppm | in rats (F; mammary car- | | | |
| | ONCO: C (HED WOTE) | inoma); negative mice. | | Q* not applicable | On IRIS. |

| FOOD CODE | FOOD NAME | PETITION NUMBER | NEW | TOLERANCE (PPM) PENDING PUBLISHED | | |
|--------------------|---------------------|-------------------------|----------|-----------------------------------|---|---|
| 24001AA | BARLEY | 7F3540 | | 0.050000 | | • |
| 24003AA 24007AA | OATS WHEAT-ROUGH | 0f3962 7f3540 | 0.050000 | 0.050000 | | |
| 24007GA | WHEAT-GERM | 7F3540 | | 0.050000 | | |
| 24007HA | WHEAT-BRAN ' | 7 F354 0 | • | 0.050000 | • | • |
| 24007WA | WHEAT-FLOUR | 7 F 35 40 | | 0.050000 | | |

Table 2b. TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

DATE: 08/13/93

PAGE:

| CHEMICAL INFORMATION | STUDY TYPE | EFFECTS | REFERENCE DOSES | DATA GAPS/COMMENTS | STATUS |
|----------------------|--------------------|---------------------------|-------------------|--------------------|------------------------|
| Express (IN L5300) | 1yr feeding- dog | Elevated serum bilirubin | ADI UF>100 | No data gaps. | HED complete 09/14/88. |
| Caswell #419S | NOEL= 0.7900 mg/kg | and AST levels, increased | | 1 | EPA verified 10/12/88. |
| CAS No. 101200-48-0 | 25.00 ppm | urinary volume | EPA RfD= 0.008000 |] | j · |
| A.I. CODE: 128887 | LEL= 8.1600 mg/kg | Evidence of oncogenicity | | | |
| CFR No. 180. | 250.00 ppm | in rats (F; mammary car- | | l | |
| | ONCO: C (HED WOTE) | inoma): negative mice. | İ | Q* not applicable | On IRIS. |

| | TOTAL TMRC (MG/KG E | BODY WEIGHT/DAY) | NEW TMRC AS PERCENT | DIFFERENCE AS PERCENT | EFFECT OF ANTIC | IPATED RESIDUES |
|---|---------------------|------------------|------------------------|--------------------------|-----------------|---------------------------------------|
| POPULATION SUBGROUP | CURRENT TMRC* | NEW TMRC** | OF RFD | DF RFD | ARC | %R FD |
| U.S. PDPULATION - 48 STATES | 0.000073 | 0.000078 | 0.969187 | 0.051612 | | |
| U.S. POPULATION - SPRING SEASON | 0.000072 | 0.000075 | 0.937025 | 0.041937 | | |
| U.S. POPULATION - SUMMER SEASON | 0.000072 | 0.000075 | 0.943175 | 0.048275 | • | |
| U.S. PDPULATION - FALL SEASON | 0.000076 | 0.000080 | 1.000638 | 0.056213 | | • |
| U.S. POPULATION - WINTER SEASON ' | 0.000075 | 0800dd.0 | 0.995950 | 0.060038 | • | |
| NORTHEAST REGION | 0.000078 | 0.000082 | 1.020925 | 0.051162 | | |
| NDRTH CENTRAL REGION | 0.000076 | 0.000081 | 1.009538 | 0.057900 | | • |
| SOUTHERN REGION | 0.000069 | 0.000072 | 0.905825 | 0.041750 | | |
| WESTERN REGION | 0.000071 | 0.000076 | 0.950187 | 0.060138 | | |
| HISPANICS | 0.000070 | 0.000074 | 0.930212 | 0.054787 | | • |
| NDN-HISPANIC WHITES | 0.000075 | 0.000079 | 0.991963 | 0.052575 | | |
| NDN-HISPANIC BLACKS | 0.000064 | 0.000068 | 0.845688 | 0.044538 | | |
| NON-HISPANIC OTHERS | 0.000070 | 0.000074 | 0.923362 | 0.045400 | | |
| NURSING INFANTS (< 1 YEAR OLD) | 0.000025 | 0.000044 | 0.551425 | 0.241788 | | |
| NDN-NURSING INFANTS (< 1 YEAR OLD) | 0.000059 | 0.000096 | 1.200263 | 0.468175 | | |
| FEMALES (13+ YEARS, PREGNANT) | 0.000052 | 0.000053 | 0.664750 | 0.019700 | | |
| FEMALES 13+ YEARS, NURSING | 0.000065 | 0.000068 | 0.851000 | 0.032900 | | · |
| CHILDREN (1-6 YEARS OLD) | 0.000158 | 0.000173 | 2.162650 | 0.183950 | | |
| CHILDREN (7-12 YEARS OLD) | 0.000116 | 0.000123 | 1.539750 | 0.093163 | | |
| MALES (13-19 YEARS OLD) | 0.000084 | 0.000087 | 1.090625 | 0.037362 | | • |
| FEMALES (13-19 YEARS OLD, NOT PREG. DR NURSING) | 0.000064 | 0.000066 | 0.822000 | 0.026750 | | |
| MALES (20 YEARS AND OLDER) | 0.000063 | 0.000065 | 0.816075 | 0.023000 | | e e e e e e e e e e e e e e e e e e e |
| FEMALES (20 YEARS AND OLDER, NOT PREG. OR NURS) | 0.000048 | 0.000050 | 0.619725 | 0.020463 | | |

^{*}Current TMRC does not include new or pending tolerances.
**New TMRC includes new, pending, and published tolerances.

TOLERANCE ASSESSMENT SUMMARY FOR Express (IN L5300) CASWELL #419S

DATE: 08/13/93

ANALYSIS FOR POPULATION SUB-GROUP: U.S. POPULATION - 48 STATES

EXISTING TOLERANCES (PUBLISHED ONLY)

RESULT IN A TMRC OF: THE EXISTING TMRC IS EQUIVALENT TO: 0.000074 0.918 MG/KG/OAY % DF THE ADI.

PROPOSED NEW TOLERANCES (CURRENT PETITION ONLY) RESULT IN A TMRC OF:

0.000005

MG/KG/DAY

THESE NEW TOLERANCES WILL OCCUPY:

0.052

% OF THE ADI.

IF THE NEW TOLERANCES (CURRENT PETITION ONLY) ARE APPROVED THE RESULTANT TMRC WILL BE:

0.000078

MG/KG/OAY

THE NEW TMRC WILL DCCUPY

0.969 % DF THE ADI.

ND DTHER PENOING TOLERANCES ARE IN THE FILE

ANALYSIS FOR POPULATION SUB-GROUP: CHILDREN (1-6 YEARS OLO)

EXISTING TOLERANCES (PUBLISHED ONLY)

RESULT IN A TMRC OF: THE EXISTING TMRC IS EQUIVALENT TO: 0.000159 1.979 MG/KG/DAY % OF THE AOI.

PROPOSED NEW TOLERANCES (CURRENT PETITION ONLY) RESULT IN A TMRC OF:

0.000015

MG/KG/DAY

% OF THE ADI. 0.184

THESE NEW TOLERANCES WILL DCCUPY:

IF THE NEW TOLERANCES (CURRENT PETITION ONLY) ARE APPROVED THE RESULTANT THRC WILL BE:

D.D00174

MG/KG/DAY

THE NEW TMRC WILL OCCUPY

2.163

% OF THE ADI.

NO DTHER PENDING TOLERANCES ARE IN THE FILE

ANALYSIS FOR POPULATION SUB-GROUP: CHILDREN (7-12 YEARS OLO)

EXISTING TOLERANCES (PUBLISHED ONLY)

RESULT IN A TMRC OF:

0.000116

MG/KG/DAY

THE EXISTING TMRC IS EQUIVALENT TO:

1.447

% OF THE AOI.

PROPOSED NEW TOLERANCES (CURRENT PETITION ONLY)

RESULT IN A TMRC DF:

THE NEW TMRC WILL OCCUPY

80000d.0 0.093 MG/KG/DAY

THESE NEW TOLERANCES WILL OCCUPY:

IF THE NEW TOLERANCES (CURRENT PETITION ONLY)

% OF THE ADI.

ARE APPROVED THE RESULTANT TMRC WILL BE:

0.000124 1.540

MG/KG/DAY % OF THE ADI.

NO OTHER PENDING TOLERANCES ARE IN THE FILE



032630

Chemical:

Thisensulfuron methyl, Thisenuron MethyL

PC Code:

128845, 128887

HED File Code

11000 Chemistry Reviews

Memo Date:

08/19/93

File ID:

00000000

Accession Number:

412-02-0012

HED Records Reference Center 04/02/2002